

Koper, 25. 8. 2015



<http://innorenew.eu/en>

RENEWABLE MATERIALS AND HEALTHY ENVIRONMENTS RESEARCH AND INNOVATION CENTRE OF EXCELLENCE (InnoRenew CoE)

Funding: H2020 Widespread 2014-1 Teaming

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HORIZON 2020



15. Spreading Excellence and Widening Participation

- significant internal disparities in R&I performance
- pathway to economic growth and competitiveness → R&I
- efficiency of the national research and innovation systems
- stronger participation in H2020 + commitment low-performing Member States (regions)

Teaming

institution(s) + institution(s) → new or significant upgrade CoE

- European Commission + host country (region) government
- improvement of their research and innovation systems and policies
- alignment with host country (region) RIS3



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Coordinator: University of Primorska, Slovenia

Advanced partner: Fraunhofer Institute for Wood Research Wilhelm-Klauditz-Institut (WKI), Germany



Other partners:

- University of Maribor
- Institute for the Protection of Cultural Heritage of Slovenia
- Slovenian National Building and Civil Engineering Institute
- Pulp and Paper Institute
- EuroCloud Slovenia
- National Institute of Public Health
- Regional Development Agency of Ljubljana Urban Region



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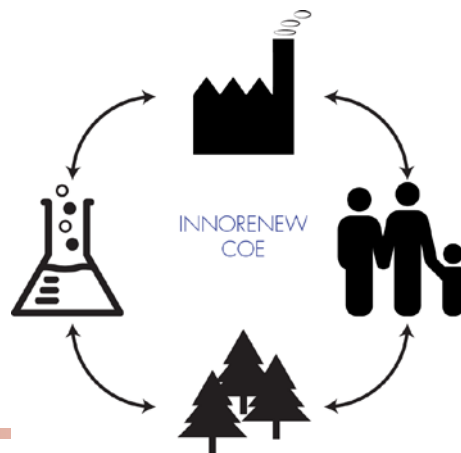
Main Objective



smart, sustainable and modern built environments for all generations

Slovenia's transformation into a society focused on:

- **sustainability**
- **cyclical economy**
- **human well-being**
- **use of its renewable resources and assets**



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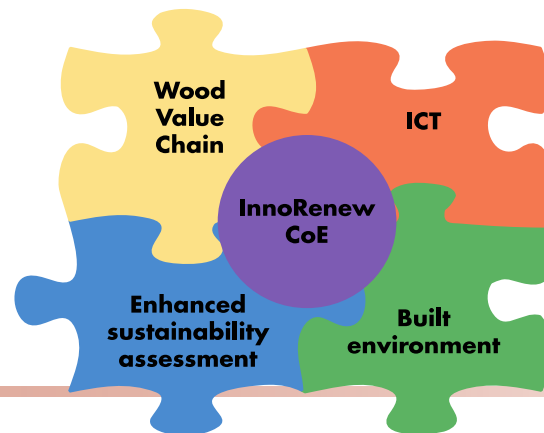


The InnoRenew CoE



will advance **scientific excellence in Slovenia** in wide range of fields related to renewable materials

wood materials, construction, biology, polymers, social sciences, cultural heritage, computing, mathematics, psychology, kinesiology, modelling, simulation, design, logistics, deployment, risk-assessment, decision making and management



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Basic Objectives



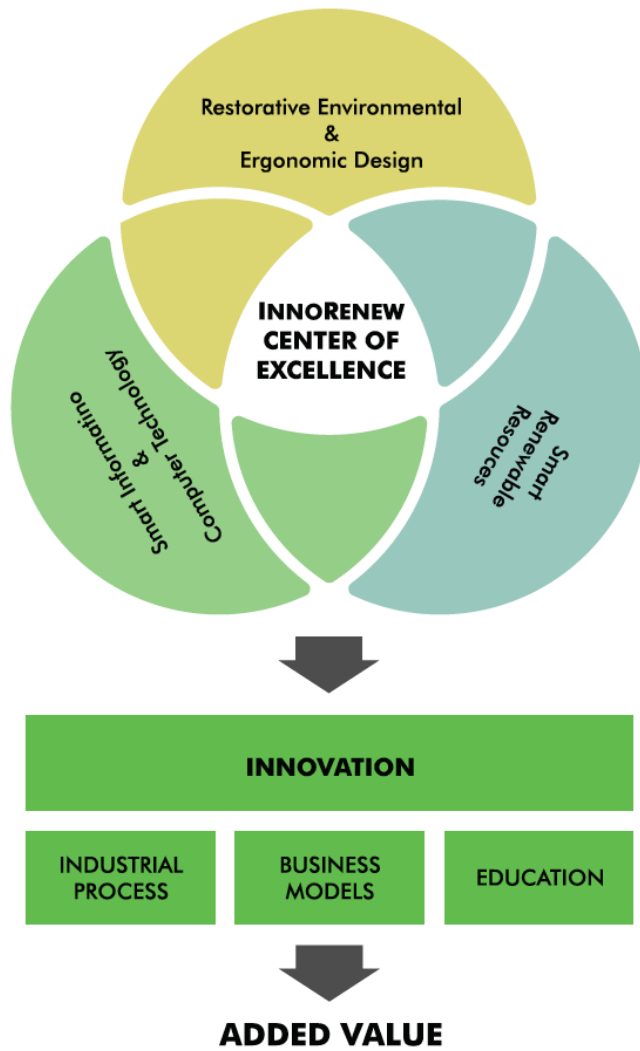
- Focus on improving the **quality and relevance** of scientific work related to RM
- Work closely with **businesses and the public**
- Develop **new products, technologies and services**
- Improve **industrial adoption of innovation**
- Improve the **acceptance and utilization** of fundamental and applied science in industry
- Provide **research, training** and other support for professionals and the public
- Expand professional **expertise and public knowledge** about renewable materials
- To enhance **international cooperation and mobility**



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Concept



Research and innovation:

- **industrial processes**
(e.g., resource and environment friendly virgin and recycled wood and fibre processing, building systems, biorefinery),
- **business systems and support**
(customer solutions, innovation and IPR management, business models for spin-offs and start-ups)
- **education**
(e.g., basic knowledge transfer to education system (including vocational schools and industry members), active involvement of students and professionals in the research process).



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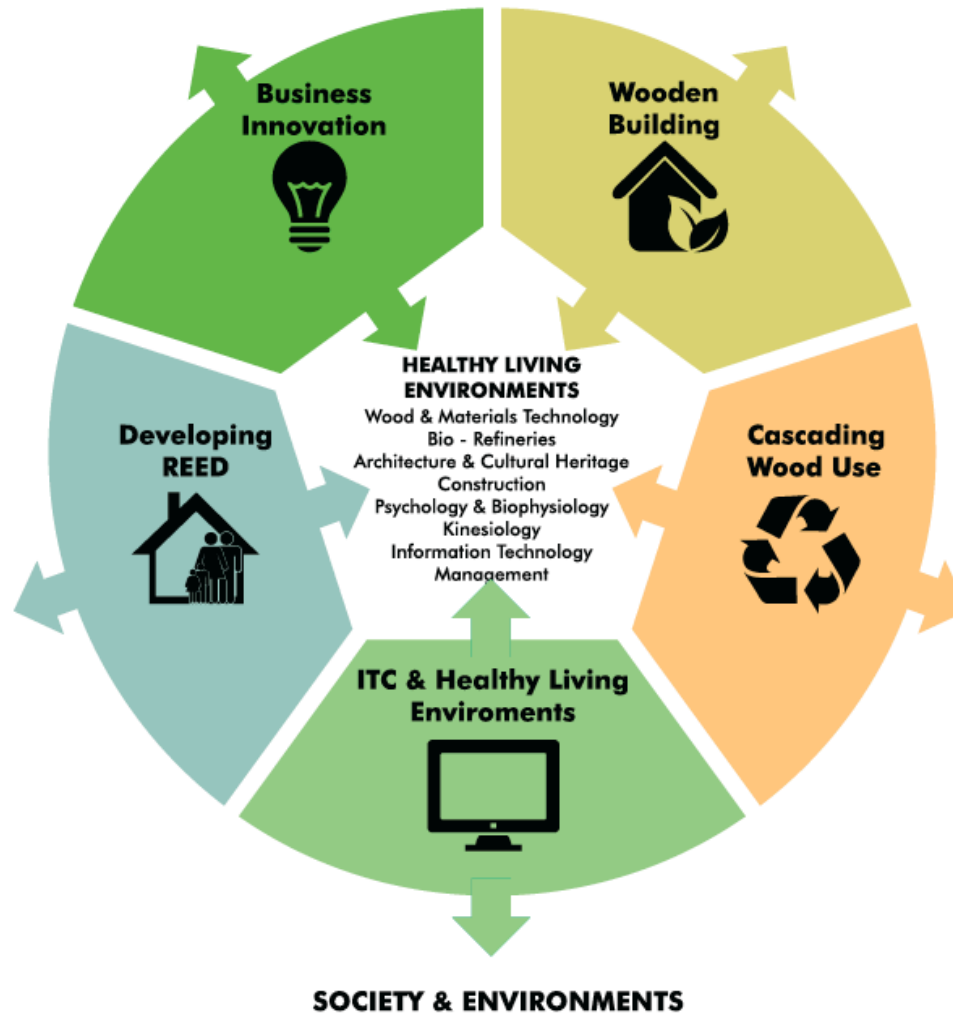


Implementation – 5 living labs



SOCIETY

ENVIRONMENT

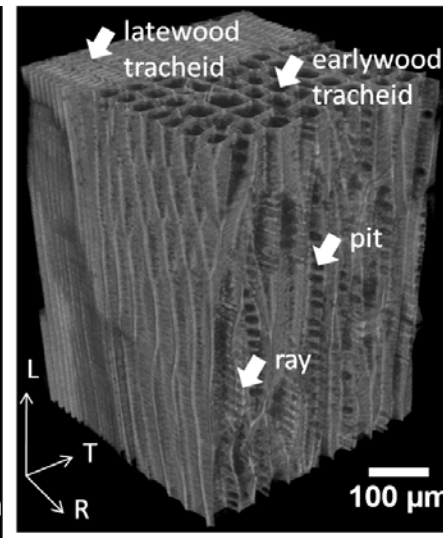
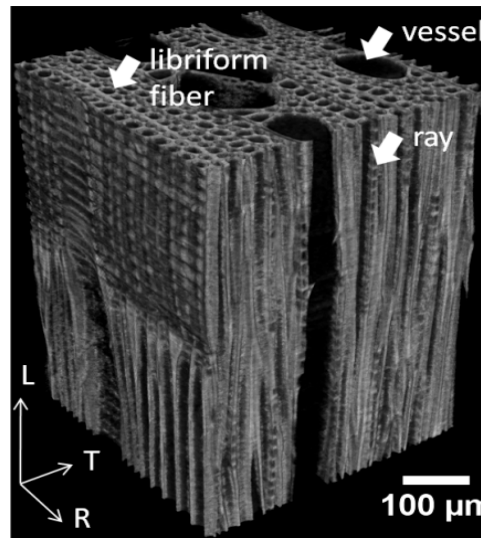
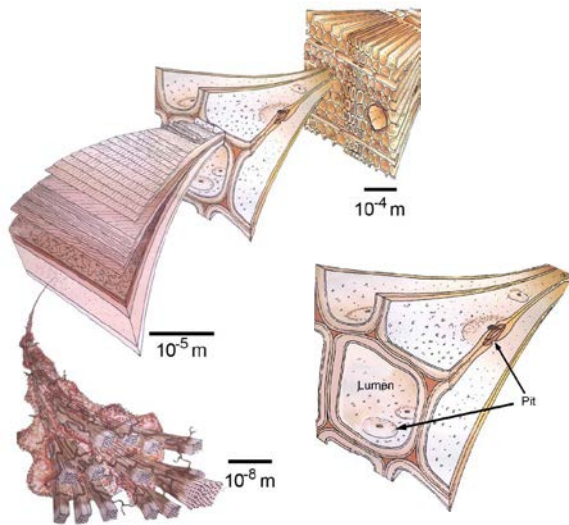


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Expected impact

Scientific - Fundamental research will target increased resource efficiency, extended product life, and their influence on human health and well-being, while the **applied part** will contribute to improvements in product performance and functionality and will minimise the overall negative environmental and human health impacts.



cost



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Expected impact

Economy - The InnoRenew CoE will lead the innovative transformation of the renewable resource (especially forest products) industry to a **competitive knowledge-based industry** that fosters the extended and improved use of local natural resources, development of innovative products, including new and currently underused products.





Expected impact

Societal – Creating **innovation encouraging** and engaging environment (research and innovation culture) that will result in **value-added products**, processes and systems, which enable sustainable building with the next generation of improved and renewable building materials and increased resource efficiency.



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How?



Partnership with **Fraunhofer WKI**, an institution of research and innovation excellence

With networks of **excellent scientists**

Facilitating collaboration with **industry, research organizations, scientific institutes, stakeholder** groups and the public



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WP2 - Market analysis

Focus groups and living laboratory

Survey

Value chain management and marketing assessment

Opportunities

Competition, Barriers

Impact analysis



greenenergyfocus.org



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LL InnoRenew Living Lab



Living laboratory **Innovative Renewable Material Uses Living Laboratory (LL InnoRenew)**

A public-private-people relationship with stakeholders:

- *R&D institutions*
- *Associations*
- *SMEs & Large companies*
- *Municipalities*
- *Government bodies*
- *Citizens*



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LL InnoRenew Living Lab



The objective of the **LL InnoRenew** is to create an environment to **discuss the project, develop creative and innovative new ideas, provide critical feedback**, and ensure stakeholder involvement in the development of the Business Plan of the new CoE.

Activities:

- Workshops
- Personal meetings
- On-line forum on InnoRenew CoE webpage
- Social media
- Other, i.e. round table discussions, conferences, fairs, etc.



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How to get involved LL InnoRenew



The social media networks are used as international arena, where specific questions arising from **focus groups, surveys, and workshops**, as well as LL InnoRenew in general, are being discussed.

InnoRenew engages professionals:

- LinkedIn
- Facebook (<https://www.facebook.com/pages/InnoRenew-CoE/454740938032850>); and
- Twitter, @InnoRenewCoE

Join us, follow us, and like us on social media and help us with establishment of the InnoRenew CoE



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HVALA!